

Volume 8 No. 3

March 1990

"Mike"

887

help w/ the Micro stuff




Catalina Commodore Computer Club, Inc.



MARCH

1990



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 STAY ON TRACK 				1	2	3
WITH GEOS PG DISKS 						
SUPPORT CCCC Library - it supports YOUR CLUB activities.						
4	5	6 CCCC MEETING 7 PM - 9:30 PM ST. PETER & PAUL GRAMER HALL	7	8	9	10
11	12	13 EXECUTIVE BOARD MEETING 7:30 PM AT Devon Gables 6150 E Grant	14	15	16	17 = HELP DAY = PLUS -- 128 SIG -- 10 AM - 2 PM ST. PETER & PAUL MADONNA HALL
18	19	20 Vernal Equinox	21 NEWSLETTER PARTY 7 - PM ST. PETER & PAUL MADONNA HALL	22	23	24
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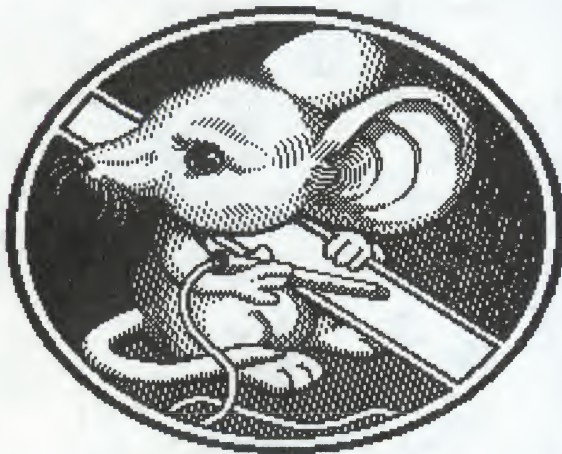
THANK YOU, NEW VOLUNTEERS!!

Ted Seitz has volunteered to try his hand at putting together our Disk-of-the-Month. If you have any special requests for programs, contact Ted or call Leila Joiner at 327-0540. Because Ted lives outside of Tucson and has to drive over an hour to get to meetings, he is also making the disk copies and labels.

Bud Smith, who is presently attached to an oxygen device and therefore confined to his home, has volunteered to take over the copying and labeling for the Disk Exchange. Bud's wife will help by mailing the disks.

Both these volunteers deserve an extra thanks: one can't get to meetings at all, the other has a long drive to attend, but they are both willing to give their time and energies to support our club.

THANKS, TED SEITZ AND BUD SMITH!

**NEW SOFTWARE FOR THE 128**

downloaded from Q-Link

WHEEL AND DEAL

Free Spirit Software has released Wheel & Deal, a 128/80 column mode game with graphics, sound and music for the Commodore 128 computer.

The object of Wheel & Deal is to accumulate property and amass wealth by shrewd dealing and taking chances. A player may win by accumulating over \$100,000 or by forcing all other players into bankruptcy. The game may be played with two to four players.

Wheel & Deal requires a mouse or joystick for input, an 80 column color monitor and a 1571 disk drive. Since the game disk is not copy protected, it may be transferred to a 1581 disk drive.

Wheel & Deal is published by Free Spirit at a suggested retail price of \$29.95.

DIGITALKER 128

Free Spirit Software has released Digitalker 128, a new programming utility for BASIC 8 and BASIC 7.0 programs on the Commodore 128 Computer.

With Digitalker 128, you can add digitized speed to C128 80 column programs.

Digitalker 128 is a set of machine language routines that can play digitized sound samples from within a program.

These sounds are included on the ClipSound disk supplied with Digitalker 128. Over 500,000 bytes of sound are included on the ClipSound disk. Digitalker 128 supports, but does not require, a 1700 or 1750 RAM Expansion Unit. The program and ClipSounds are supplied on two 1571 format disks. Because they are not copy protected, the disks may be copied onto a 1581 format disk.

Included with Digitalker 128 are several speech demos and talking 80 column games.

Digitalker 128 is published by Free Spirit at a suggested retail price of \$29.95

Free Spirit Software
PO Box 128, 58 Noble St.
Kutztown, PA 19530

ph. 215-683-5609

Welcome**NEW MEMBERS!!!**

Julia Richardson
Charles Spears
Wallace Early
Dave Tuggle
Robert McConeghy
Mike Right
Walter Jenkins

Also, thanks to the 20
old members who renewed!!

March Meeting:

Leila Joiner will be demonstrating
Power Budget and Omega-Q.

Omega-Q is a do-everything utility so you can utilize all of the GREAT programs on the Disk-of-the-Month. Don't miss out on goodies like Power Budget!

More Than a File Copy Utility

by Warren Talbot, CCCC

The 1581 with it's tremendous storage capacity (nearly one megabyte) has become a very popular drive. If you own a 1581 or are thinking about getting one, you can store the equivalent data of five single sided 5 1/4 inch disks on a single micro floppy. The 1581 is a faster drive than the 1541 or 1571, and with DOS speed enhancements, such as JiffyDOS or GEOS, the 1581 becomes very fast indeed.

Now that you have a 1581 you will want to move as many files as possible from the 5 1/4 inch disks to micro floppies. Unless JiffyDOS is installed in your computer and disk drives, file copy utilities will be very slow. However, GEOS 2.0 with it's resident disk turbo and compatibility with all Commodore drive types can make short work of this tedious and time consuming task. In fact, the latest version of JiffyDOS for the C64 automatically disengages it's drive enhancement routine when GEOS is booted, as there is no speed advantage over the GEOS kernal.



Multi-File Copy

GEOS will readily copy files between all Commodore drive types, and will copy only PRG, SEQ, and USR files. This means if you are copying database files that are REL types, do not use GEOS. If you do a lot of work with databases you will be much better off with JiffyDOS installed.

The GEOS kernal loads the disk turbo code into the drive's RAM where it stays resident, ready to recieve instructions from the kernal.

Standard DOS sends information as single bytes, while GEOS moves blocks at a time.

If you are copying disks that are non-GEOS types be sure to format them from Commodore DOS (not the GEOS desktop) and answer 'no' when GEOS asks if you want it to be a GEOS disk. In other words, keep your non-GEOS disks in the Commodore format.

With newly formatted disks ready and drives connected, boot GEOS and open the configure file to set up your system with the 1541 or 1571 as drive 'A'. Configure drive 'B' as the 1581. Now quit configure and you will be returned to the desktop. Make drive 'A' your active drive. Next, hold down the Commodore key and click once on each file you want to be copied. You can even flip pages forward and backward to find all the necessary files. When you have selected the files, release the Commodore key and click one more time on a selected file. Notice a ghost icon will become attached to the pointer that reads *multi file*. Drag the ghost to drive 'B' and deposit it there. In a few minutes the file copy will be complete.

Batch File Copy to the REU

If you have a RAM expansion unit this procedure works quite well, especially if you use a 1581 with GEOS. You will be able to store all of your GEOS applications (not data) on a single micro floppy. Configure your system with the REU as drive 'B'. Before each session you may copy the needed application files to the REU in this manner.



IF GEOS BECOMES A PAIN
TAKE TWO ASPIRINS AND
READ THE MANUAL

- Bob Clausen

WHAT'S NEW: COMMODORE 1990

downloaded from Q-Link

COMMODORE "TEST PILOT" BUNDLE HELPS FIRST-TIME COMPUTER USERS 'TAKE OFF'

LAS VEGAS, Nev. -- January 6, 1990 -- Selecting a computer for the first time user can be a challenging, if not intimidating, experience. A surprising number of all electronic purchases end up back on the store shelves, and personal computers top the list.

This year, Commodore Business Machines launched "Test Pilot," a computer start-up package designed especially for first-time computer buyers.

"There's a lot more to learning to use a computer than plugging it in," said Bob Larson, Commodore Vice President of Consumer Sales. "Faced with spending hours at a keyboard struggling to understand complicated directions, many first-time buyers simply give up."

"Test Pilot" comes complete with a Commodore 64 machine, step-by-step set-up and operating instructions and an assortment of starter software and game disks designed to take the fear out of computer users' "first flight." The package retails for \$499.

Commodore expects the "Test Pilot" offering to boost sales of the 64C machine, which remains the most popular home computer ever sold. Today there are more Commodore 64s in use than any other computer, with more than 10 million machines installed worldwide.

"The Commodore 64C is an ideal starter machine," said Larson. "Unlike Nintendo, it is much more than just fun and games."

In addition to offering more than 7,000 titles, including games, at about half the price of Nintendo, the 64C can also run more sophisticated word processing and educational programs.

"The 64C is not a computer that children will outgrow," according to Larson. "The 64's wide-ranging capabilities will keep the machine in its rightful place after the games are put away -- on a desk rather than on a closet shelf."

Commodore's "Test Pilot" is available at leading Commodore dealers and selected retailers nationwide. For more information on where to find "Test Pilot," call 1-800-627-9595.

COMMODORE INTRODUCES "SELECT EDITION": MS-DOS COMPATIBLE PCs FOR THE HOME OFFICE

LAS VEGAS, Nev. -- January 6, 1990 -- Commodore Business Machines Vice President of Consumer Sales Robert Larsen today announced the introduction of Commodore's "Select Edition" line of



MS-DOS compatible PCs. These high-performance, value-added PCs were designed to meet the demands of home productivity and home office applications.

According to Larsen, the Select Edition series was developed to round out Commodore's complete line of products for the consumer marketplace. The series offers three models, all featuring a 286-based machine with a color VGA monitor.

"The Select Edition series is Commodore's affordable MS-DOS solution for home productivity and the home office," Larsen said. "They provide the flexibility and performance that more sophisticated consumers have come to demand."

The Select Edition series includes:

SELECT EDITION - Complete with 640K of RAM, two expansion slots and one 5.25 inch and one 3.5 inch floppy drive already installed. The Select Edition is PC/XT compatible and can display color or monochrome graphics.

SELECT EDITION HD-40 - Complete with 640K of RAM, three expansion slots, one 5.25 inch and one 3.5 inch floppy drive, color and monochrome display and a quick access 40 megabyte hard drive. It is also PC/XT compatible.

SELECT EDITION 286 - Complete with one 5.25 inch high-density floppy drive and a 40 megabyte hard disk built-in. The Select Edition 286 runs color VGA graphics as well as CGA, MDA and Hercules. It is PC/AT compatible for added speed and flexibility.

All Select Edition computers also feature a built-in video and mouse interface, parallel and serial ports, a 101-key keyboard and a one year limited warranty.

"As a leader in personal computer design and technology, Commodore is dedicated to providing a complete, value-added line of computers. Select Edition is an ideal entry level package for home users looking for the best cost/performance value," Larsen said.

BOOK REVIEW

from Commodore Users of Bartlesville

THE CUCKOO'S EGG

Tracking a Spy Through the Maze of Computer Espionage

a Book by Clifford Stoll

The person who suggested the title for this book won a batch of homemade chocolate chip cookies (the recipe is on page 126). The book is the very well-written and entertaining account by the astronomer Clifford Stoll of how he was able to find out the identity of the hacker who was going through Tymnet to get into the Lawrence Berkeley Laboratory computer system to gain access to the non-classified military computer network.

Stoll had gotten his degree in astronomy, but he was just starting to work in the LBL computer center because his grant had run out. As an exercise in learning how the computer system maintained its accounting records, he was given the job of reconciling a 75 cent difference in two accounting programs for CPU usage. One program was a standard UNIX system accounting program, and another one was a home-brew program that LBL had a summer student write. By noticing that someone had told the UNIX program to ignore his computer usage, Stoll discovered that a hacker was getting into the computer system and using it as a gateway for attempts at breaking into other computers.



In the course of explaining how he was able to track down the hacker, Stoll clearly explains how networks function and why trust is important in the way they operate. He also goes into the differences in VMS and UNIX operating systems, and how the hacker was able to exploit weaknesses in their software to gain super user status so that he could steal passwords. What was frustrating for Stoll was that when he told system managers how the hacker was breaking into their computer systems, the usual response was that the system managers only partially blocked the leaks. Usually, the hacker got in the next time through another route. Stoll also had little cooperation from the federal agencies he contacted about the intruder. The FBI wasn't interested since not enough money was involved (they didn't value the loss of trust that the networks suffered), the military could only try to protect their computers, and the NSA was only interested in learning about computer weaknesses. They weren't interested in letting others know about the problem or developing solutions for it.

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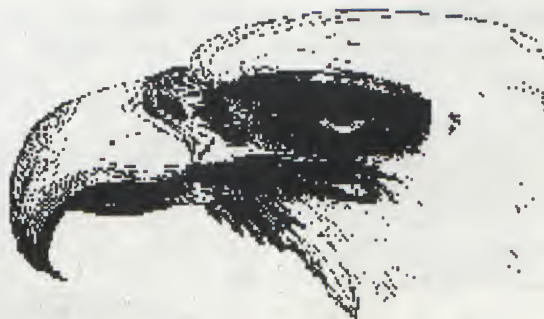
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Warren Talbot at 792-9888

Eventually, with the help of Tymnet and the German postal system, a trace was made to a computer user in Hannover, Germany. Because computer hacking is not a crime in Germany, the German authorities needed a request from the U.S. to apprehend the hacker. The FBI did nothing. To keep the hacker on the system for a long enough time, Stoll manufactured files describing an SDI project. These proved so interesting that he received a letter requesting more information on the contents of the files! Based on this hint of espionage, several people in Hannover were arrested. Since that time, Stoll has married, taken a job with the Harvard-Smithsonian Center for Astrophysics as an astronomer, given talks on computer security, appeared on TV talk shows, and written a splendid book. I recommend reading it.



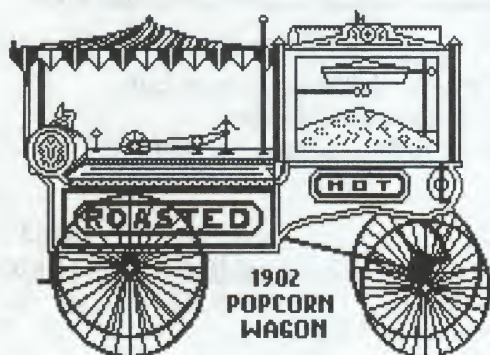
AUTO-BOOTING ON THE C-128

By Bob(k7)Kober, BUG BYTES

When first turned on, the C-128 has the capability to autoboot and RUN any preset program. It also can be programmed to switch to the 64 mode, and RUN any program there, all automatically. Here is an explanation of how this works.

C-128 AUTOBOOTING - 128 MODE

As part of the BASIC cold-start routine, the KERNAL BOOT-CALL routine, located at \$F890 (63632) with a jump table entry located at \$FF53(65363) is called. This routine is also called by the BOOT statement. Here, without going into the minute details, is generally what happens when this routine is executed.



The B-R (Block Read) command, stored in ROM at \$FA08 (64008) is sent to the drive, and copies the data in the auto-boot sector, Track 1, Sector 0, into memory at \$0B00-\$0BF (2816-3071). This area of memory is also used by the 128's Operating System as the default location for the Cassette Buffer, which unlike the C64, is not a totally safe area for storing short ML routines, due to this dual use.

If the first three bytes (0-2) contain the character codes for the letters CBM, then this is considered a valid boot sector. If CBM is not found, the drive is reset, and the BOOT CALL routine is exited.

For a valid boot sector, the message BOOTING is printed; then the address in bytes 3-4, the LOAD address for data from following sectors, is stored in \$AC-\$AD (172-173), the value in byte 5, the bank in which the data is to be loaded, is stored in \$AE(174), and the value in byte 6, the number of successive blocks to load, is stored in \$AF(175).

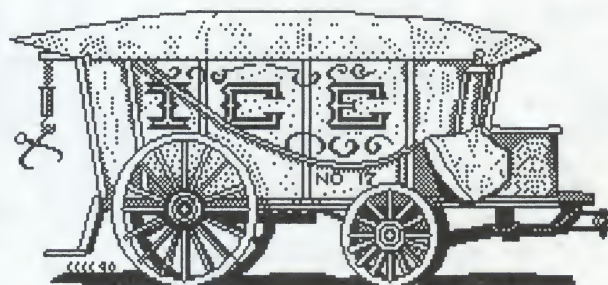
Now the next bytes contain a message, in character codes that are printed to the screen until a zero byte, or the end of the sector is found. Following this message, three periods (...) are printed. Now, successive sectors are loaded sequentially to the bank and address specified, starting from Track 1, Sector 1, until all have been loaded. Then the drive is reset.

The Clip Art used in this Article is on the GEOS disk PG 14, from the WAGONS file and drawn by Frank Prievo, CCCC.

The routine now searches the buffer from the zero byte marking the end of the message above, 'till another zero byte is found. The data between these zero bytes is used as the filename of the file that is to be autobooted. The KERNAL LOAD routine is used, so only a PRG file is valid. Also, it is loaded to Bank 0, regardless of that specified in the boot sector.

After the file has been loaded, or if no filename was specified, the JSRFAR pointer at \$03-\$04 (3-4) contains the address of the buffer location following the end of filename zero byte, and the JSRFAR bank \$02(2) is set for Bank 15. The JSRFAR routine is called and executes the ML routine in the buffer immediately following the filename.

It is this ML routine that JUMPs to the starting address of a ML routine if the autobooted file was ML, or the RUN-A-PROGRAM routine at \$5AA6 (23206) with a jump table entry at \$AF99 (44953) can be called to RUN the program if it were BASIC.



THE COOL WAGON

There MUST be a ML routine located here, even if it is only a RTS instruction. In this case, the routine is exited with the carry clear indicating no error was encountered.

C-128 AUTOBOOT TO C-64 MODE

To swap to the 64 mode and auto-run a program there, ALL of the above occurs, and in addition, the following is done.

The ML routine loaded and called in the 128 autobooting process, does the following. Starting at location \$8000 (32768) in bank 0, which is the bank used when control is switched to 64 mode, it writes certain data that will 'FOOL' the C-64's operating system into thinking there is an auto-starting cartridge installed. Here's that information needed.

During the BASIC Cold-Start process, location \$8004-\$8008 (32772-32776) are checked to see if they contain character codes equivalent to 'CBM80', with the CBM characters having bit 7 set. If these are found, then it will start the routine located at the address pointed to by locations \$8000-\$8001 (32768-32769) and use the address in \$8002-\$8003 (32770-32771) as a warm start vector to be jumped thru when the RESET key is pressed.

Therefore, while still in 128 mode, instructions are written in bank 0, at a location stored in \$8000-\$8001, that will LOAD and RUN a 64 program when the GO 64 command is given. The GO 64 routine entered at \$E048 (57416), rather than the normal \$FF4D (65357) entry, to prevent the "Are You Sure" message from being printed.

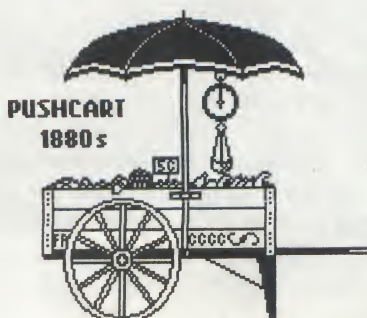
Now, after all the preparations above are done in 128 mode, the JMP \$E048 command swaps to the C64 mode, and the 64's Cold Start routine is executed, finding the data at \$8000 it believes to be an autostart cartridge, and the 64 program is loaded, and RUN.

Here are a few of the files found in the Programmers' Workshop software libraries that will create the files necessary to Auto-Boot in 128 mode, and RUN in either 128 or 64 mode.

FILENAME: super boot
 UPLOADER: MALAKAI
 LIBRARY: C128 Programming/Demos and Other Utilities

FILENAME: incrdiboot v5
 FILENAMEC: INEDOES
 UPLOADER: Xeno
 LIBRARY: C128 Programming/Programming Utilities

FILENAME: bootmakers
 UPLOADER: Sgt Hack
 LIBRARY: C128 Programming/Programming Utilities



CATALINA COMMODORE COMPUTER CLUB INCOME STATEMENT For Month Ending January 31, 1990

	END OF MONTH	YEAR TO DATE
REVENUE:		
Newsletter Member Fees	\$ 321.00	\$ 321.00
Newsletter Advertisement Fees		0.00
Library Sales Revenue		0.00
Club Buys		0.00
Raffles and Auctions	23.00	23.00
Initiation Fees	20.00	20.00
Rental Library Revenue		0.00
Other Revenue		0.00
TOTAL REVENUE	\$364.00	\$ 364.00
EXPENSES:		
Newsletter Expenses	283.55	283.55
Library Expenses		0.00
Rental Library Expenses		0.00
Club Buy Expenses		0.00
Raffle and Auction Expenses		0.00
Meeting Expenses	360.00	360.00
Bulletin Board Expenses		0.00
Membership Expenses		0.00
SIG Expenses		0.00
Saturday Help Day		0.00
Depreciation Expense		0.00
Administration Expenses		0.00
Other Misc.		0.00
TOTAL EXPENSES	\$643.55	\$643.55
PROFIT OR (LOSS)	(\$279.55)	(\$279.55)

TIPS & HINTS 128

by Steve Campbell, WAC Cursor

"Transporting geoWrite Files"

If you read my SIG article, you know that the 1571 has the ability to read two different disk formats: GCR and MFM. Also, the 1571's ability to read the MFM format makes transporting files fairly easy from a Commodore to an IBM and back. Some of us have been transporting ASCII, a standard language understood by all computers, for years using programs like CROSS-LINK or BIG BLUE READER.

Up to now what we have not been able to do is to transfer files written with GEOWrite to other computers. For some of us, GEOWrite is the only word processor we own. Also, GEOWrite writes files to disk in a USER file. Finally, GEOWrite places special characters in each file making it impossible to get a clean transport. We could simply change the file type from USER to SEQUENTIAL, but we still must deal with those awful GEOS characters. So, what is a person to do?

Now, there is a program called STRIP GWRITE 128, which reads a standard GEOS file, strips all those special characters out of the file, and writes a standard ASCII file. Just simply run STRIP GWRITE 128 and follow the instructions and you will have an ASCII file that is ready to transport via CROSS-LINK or BIG BLUE READER.

[Ed. Note: Look for STRIP GWRITE 128 on the April Disk-of-the-Month!]

HELP WANTED!!

Beginner's SIG Leader

Now that you know how to use your C64 or 128, how about helping out the newcomers, who are just as confused as you once were!

Call a Board Member for more Info.
(Phone numbers on page 13.)



D. J.'s **COMPUTER & ELECTRONICS**

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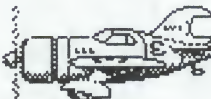
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D. J.'s NEW LOCATION

WRITE ON

Mike O'Neill

The Retirement Community of Green Valley has a delightful bunch of enthusiastic Commodore users. Banned together in a MIG (Multi Interest Group) they consider various commodore uses. Audrey Schneider invited me to attend their January 27th meeting. They were going to discuss getting acquainted with The Write Stuff. Some of the group had, obviously, been using the basic features of our favorite Word Processor; others were, perhaps, too busy with their active existence to think of switching from the familiar. All, however, had part in the discussion, and the room was alive with good questions designed to determine if TWS is worth the investment of time. I greatly appreciated their invitation and the hospitality shown while I was there. If any of our members live near Green Valley, they should make it a point to meet with these nice people on the forth Saturday of the month, 1 pm, in the Continental Plaza's Great American Bank. Gooooood Group!

For the prospective TWS user who asked about maximum page width and length. The answer is 255 in each case, 255 characters wide, 255 lines long. Either code that in your text with CTRL 2 pl#:pw#, or on the print menu, cursor to page width, or page length and change the settings with plus or minus.

...

I was, also, asked about converting an EasyScript file to a TWS file, and my lack of attention to others direction became evident. Although I have been around when the topic was discussed, I hadn't the foggiest. However, help came again from an old reliable source and here it is: Load TWS's Basic version of BB Writer, (V 1.3), then uparrow to get the menu page, cursor to File translator, and hit return. As you read this help screen, you will notice that all that is necessary to convert a file that was saved in EasyScript, or 13 other programs, is to tap CTRL 1 (as in load), delete the hyphen, type in the name of the desired file and hold the shift key down as you tap the Return key. Choose the number for your old program. EasyScript is number 2 of the fourteen different programs that the file translator will load into BB Writer. If you are using V2., your file will come to the screen looking very strange, but the menu line will call for you to choose between Pet ASCII, True ASCII. Pick Pet ASCII and the conversion will be made. It works great. Print to the screen and see.

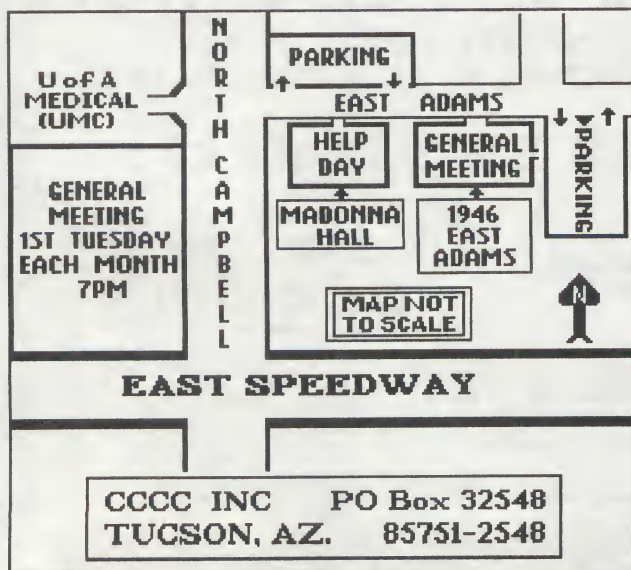
...

Do you indent the paragraphs in your letters? Have you used the automatic-indent feature, (ai5) to do the indenting for you?

...

If you do any composing that needs hanging indents, like contracts or other legal documents. (ai-##) will allow you to out-dent the reference numbers/characters for headings or subheadings. I prefer Mr. Lee's term outdent to hanging indent, don't you?

The C.C.C.C. Meetings are at
STS Peter & Paul Catholic Church
4 blocks North of Speedway
on Campbell



I. Example: This is to show that an outline can have numbers or character references out to the side, yet not need a change of margins in the succeeding lines. Place your new margins, then your outdent #. Ctrl 2 lm15:rm15:ai-10.

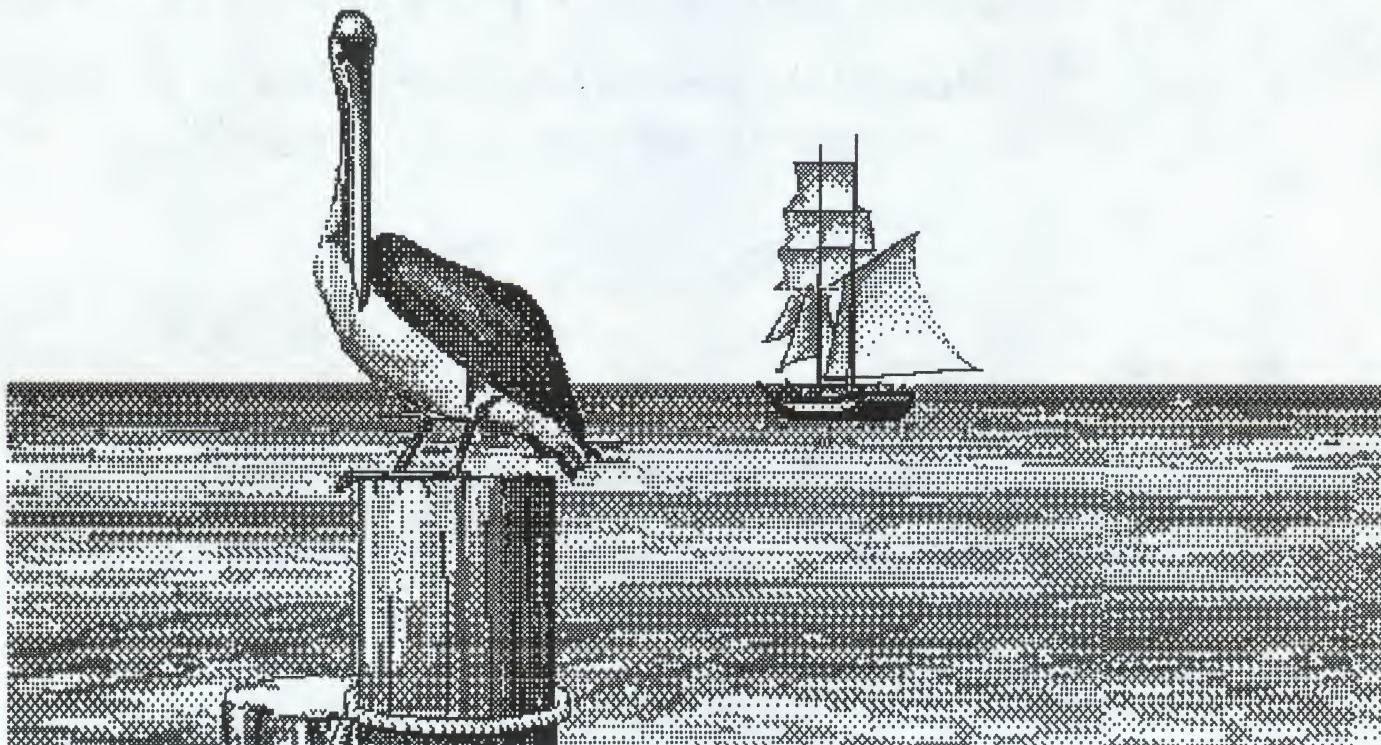
A. Indent: It will look like this. When you reach a subheading that requires an additional indentation, set a new larger left margin. Ctrl 2 lm18: The outdent number will stay the same and it will move all the text in three character spaces.

1. SubSub: Check the print screen often until you see the outline take shape. Set all left margins to zero to start a new main heading, with a Ctrl 2 lm0. Then repeat the process.

II. Ex.#2: The page should look like this when you finish. After setting the different margins, the first character after the heading will have the same character space number (the next thing after the word Load in the Menu line at the top or your screen). In this outline, each paragraph starts on C:13 on that Menu line.

B. NextSub: To go back to a regular block format as in the following paragraph, the auto-outdent must be cancelled with a Ctrl ai-0.

If you need to work with a formal outline, you will be able to do so with a small amount of time playing with the various margin controls. And, if you can't imagine why a person should know how to type up an outline, ask your school kids if they need an easy, neat looking way to produce one. I didn't think of the necessity until recently when I started typing many contract at my job. In comparing the programs I use, The Write Stuff is a breeze.



Dear Friends,

We at Tony the Printer believe that you can never say Thank You enough to those who support you. Therefore, we would simply like to say Thank You. We will continue to give you the same friendly, fine quality, and economical service that we have in the past. If there is anything that we can do to help you with your printing needs just remember that we are only a phone call away.

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Amiga

News



Amiga SIG Meeting Saturday, January 27th Woods Memorial Library

by Leila Joiner, CCCC

About 32 people were present for the January meeting at the Library. One member (name unknown) displayed his modified A500, which included an IBM PC case with an IBM power supply, 2 floppies, Supra hardcard, memory expansion, and a tilted keyboard. With all the clarity of hindsight, the owner/modifier decided it was probably easier to just buy a 2000!

Rumors of the trade-in offer by CBM for A-1000 owners were discussed. [Those rumors are now fact, according to a full-page spread in the latest AmigaWorld. Further information can be found elsewhere in this newsletter.]

Commodore is said to be working on a UNIX-equipped A2500 system which will retail for about \$4300.

Another rumor (European magazine source) says Commodore is thinking of marketing an Amiga-based game machine: read only, no keyboard and a CD-ROM interface.

Nancy Dippold of MicroShop has a Commodore PC-10 for sale for \$900 or best offer. Includes an extra meg of RAM, 2400 BAUD internal modem, software, optional hardcard. The PC-10 is comparable to an IBM XT.

Ted Weaver mentioned that Commodore is going through a low-echelon management shuffle. Amiga users are urged to write to Commodore to make their needs and in-

terests known. The need for support through local dealers was also discussed.

Dennis McCormick announced that the Amiga Help Day is back in session at Madonna Hall, St. Peter & Paul Catholic Church on Campbell north of Speedway, every third Saturday from 10 a.m. to 2 p.m. The Amiga Library is there for copying, and Dennis will help you with your Amiga problems. He can be reached at 292-2275 for more information.

Ken Weaver has information concerning timing problems on the A2000. If you think you have this problem, check the number etched on the lower lefthand corner of the motherboard.

It was suggested that it might be beneficial to have a database of member equipment. Is anyone interested in volunteering to set one up? The information could be collected at meetings by simply passing around a sign-up sheet.

Steve Jess demonstrated AMYTALK, a program for visually-handicapped users, developed by Chip Orange, a blind programmer. Steve has been helping the Third Street Kids organization learn to use their recently donated Amiga, and his student is visually handicapped. Steve acquired a demo version of Chip's program, which is free, but runs a commercial every three minutes! The registered version is 130K and sells for \$225. It will send all text output to the narrator.device. Steve used ED to enter text. The review mode of AMYTALK will check spelling, etc., by reading back the text a line or a character at a time by moving the cursor. Capital letters are

pitched higher than lower case. The "m" key "matches" the ED cursor to the AMYTALK spelling cursor movements, so the user can correct spelling errors. The program has four levels of pronunciation, and will read all characters, including punctuation, etc., for programmers. Some of the shortcomings Steve encountered: does not read requestors automatically; is not compatible with WordPerfect.

STUNT TRACK RACER by MicroPlay was demonstrated next. The simulation has four divisions, eight tracks (two in each division) and can be played by two people with a null modem cable. It has good sound effects, you can save your position, it's copy-protected and retails for about \$30. Watch out for the Draw Bridge and the Roller Coaster!!

Joel Halbert demonstrated the Aegis Draw 2000 Cad program. He used one of his own projects to compare speed of operation between a standard A500 and an A2000 equipped with the GVP 3001 (68030 accelerator board and 68882 math co-processor). In one mode the A500 was timed at 70 seconds, the A2000 at 10.8; in another, the A500 took 37 seconds, the A2000, 5.3 seconds. Joel likes the Aegis Draw 2000 program because it's easy to remember, even if you don't use it all the time. He especially liked the speed increase with the GVP 3001. It was mentioned that GVP will match CBM's educational discount on Amiga hardware.

Meetings at the Library will continue for the next two months, at least: Saturday, February 24 from 10:30 a.m. to 1 p.m.; Saturday, March 31 from 10:45 a.m. to 12:45 p.m.

AMIGA NEWS**Amiga SIG Meeting****Harvill Bldg., U of A
January 30, 1990**

by Macey Taylor, CCCC

The meeting was held in Harvill 211, part of Joe Chitwood's new Amiga Empire -- wish I could have my classes meet there! Much of the meeting was devoted to general questions and to discussion of Commodore's educational discount packages and the resulting lowered prices to be found from other manufacturers such as GVP. Apparently, one can now get an Amiga with AT Bridgeboard and a 40 meg hard drive for about what I paid for my 2000 with XT card and no HD, and a complete A-500 system for \$799. Discounts range 35% to 45%, depending on the package.

Also discussed was the anticipated 1000 trade-in offer, expected to be generous. Because of 1.4 OS needs, the 1000 will not be adequate in the future. Apparently, CBM is not going to do as Apple did with the newer Macs and offer expensive upgrades.

1.4 status???? Developers have seen only an alpha version. It was also announced that Disney is to release its professional Amiga animation software for about \$350.

Dan Bellemar won the door prize drawing -- a donated CLImate. (Members are urged to donate software they no longer want so that we can have a steady supply of door prizes.) Mark Burginger gave away old issues of Amiga World. (Giveaways are fine, too!)

Bob Maurer demonstrated Tetris from the December '88 Disk of the Month, to show newcomers a sample of the good public domain offerings in our library.

Mark Burginger did a show and tell of his presentation earlier in the month to a professional meeting of architects (see elsewhere in this newsletter). His presentation tool was Elan Performer, which seemed to be a very slick tool.

MARCH Disk-of-the-Month

PageStream Fonts: some more public domain fonts for users of PageStream.

Graphics: Three demos: Multiscope, a do-all version of Polyscope and Kaleidoscope; Kaliedo, a simpler one; Bollintro, jazz music and ball patterns.

Utilities: Calendar program; DirUtil, CLI functions from WB, with un-zoo and un-arc; ARTM, a monitor for inside the OS.

Text: BBS abbreviations; Free or under \$10 disks; Abel lists.

Display Hack: Blur.

**AMIGA SIG
MEETING TIMES & PLACES****Woods Memorial Library****Saturday, February 24, 10:30 AM - 1 PM
Saturday, March 31, 10:45 AM - 12:45 PM****Harvill Building, U of A****Tuesday, February 27, 7:30 PM - 9:30 PM****SUBJ: AmiEXPO Art & Video Contest
FROM: RBAKER 01/26/90**

AmiEXPO's successful Amiga Art & Video Contest will be held once again in 1990, and has been expanded to include a total of seven awards.

The first 5 awards, in the Fine Arts category, are being repeated from last year: 2-D Still Computer Images, 3-D Still Computer Images, Digitized Images, Animation Video and Mixed Media Video. In addition, a Commercial Arts category has been added for 1990, awarding prizes for commercially produced stills and for videotape.

Contest prizes have been donated by several different Amiga hardware manufacturers, and include a Video Toaster from NewTek, a removable media drive system from Interactive Video Systems, an 030 Midget Racer board from CSA, an accelerator and hard drive system from Great Valley Products and a portfolio of 11x14 inch prints from Philadelphia Video Labs.

To enter work in the contest, artists should request an official entry form and contest rules sheet from AmiEXPO by sending a self-addressed stamped envelope to:

Art Contest Rules and Entry Form
AmiEXPO Inc
465 Columbus Ave #285
Valhalla, NY 10595

Entries will be accepted until March 1, 1990. Winners will be announced and prizes awarded at AmiEXPO in Washington, D.C., March 16-18, 1990. To learn more, contact AmiEXPO at 1-800-32-AMIGA.

Originally announced back in the fall of 1988, prizes for the first Amiga Art & Video Contest were awarded at the Spring 1989 AmiEXPO in New York City. Grand Prizes were awarded in five categories, chosen from over 500 entries from the U.S. and Canada. Several winners have since seen their work published in national magazines and in the 1990 Light Year Computer Art Calendar, also published by AmiEXPO.

AMIGA NEWS

COMMODORE ANNOUNCES AMIGA PROFESSIONAL VIDEOGRAPHICS BUNDLES

WEST CHESTER, Pa. -- February 5th, 1990 -- Commodore Business Machines, Inc. Vice President of Marketing Lloyd Mahaffey today announced two new systems based on the Amiga 2000 series machines targeted for use in video production. The systems, including a general purpose and an advanced system version, are available exclusively through authorized Commodore dealers now through May 31st, 1990.

Mahaffey said the systems were developed to further Commodore's lead in the professional video market. Each system is configured with specialized software that takes advantage of the Amiga's inherent video compatibility and ability to perform professional-quality character generation, paint-box and animation applications.

The general purpose system features an Amiga 2000HD, an A2058 card for an additional 2MB of 16-bit (for total of 3 MB) RAM, an A1084 color monitor, TV*Text Professional character generation software by Zuma Group and Deluxe Paint III paint-box and 2-D animation software by Electronic Arts. The general purpose system has a suggested retail price of \$4200.00.

The advanced system includes an Amiga 2500/30 with 4MB of 32-bit RAM, an A1084 monitor, Deluxe Paint III, Pro Video Gold character generation software by Shereff Systems, and Sculpt-Animate 4D 3-D animation software from Byte by Byte. Suggested retail price for the advanced bundle is \$6400.00.

According to Mahaffey, the systems were designed to increase the Amiga's penetration into the rapidly expanding professional video production market. The Amiga's lead

SUBJ: Dr. T's Updates...
FROM: RBAKER 01/28/90

Special Announcement: Joint Promotion between Dr. T's and Commodore U.S.

At the National Association of Music Merchants annual show in Anaheim, California on January 20th, Commodore and Dr. T's Music Software announced a joint bundle and promotion. The bundle includes specially priced Amiga 2000HD computers to be packaged with Dr. T's KCS 3.0 sequencer, Copyist Apprentice scoring and transcription software, and a coupon for a synthesizer editor/librarian of the customer's choice. This is the first time that a promotion of this type has been aimed at serious musicians.

Al Hospers, CEO of Dr. T's, says, "Sales of Amiga software have been growing at an unprecedented rate. Serious musicians and professionals are catching on to the fact that the Amiga does things that no other computer does. With the introduction of our Multi-Program Environment for the Amiga, users can do things with multitasking and dynamic data exchange that are not possible on Mac's or Atari's. And release of the Phantom SMPTE box gives the pro access to the same synchronization capabilities available on the Mac and ST."



in multimedia is linked directly to its strong position in the professional video market, he said.

In a 1988 study by Sheer and Chaskelson, a leading professional video market research firm, the Amiga placed at the very top in terms of market share -- first among 3-D modeling and animation systems, second among paint-box systems and third among character generators. No other personal computer registered in the study.

"Few segments of the busi-

ness, government and education markets are experiencing growth like video production," Mahaffey said. "Applications for video are cropping up everywhere -- from presentations and computer-based training to basic employee communications."

"Amiga-based systems provide a cost-effective video production solution currently unmatched anywhere. We expect these new videographic systems will help us convey that message to a broader audience," he added.

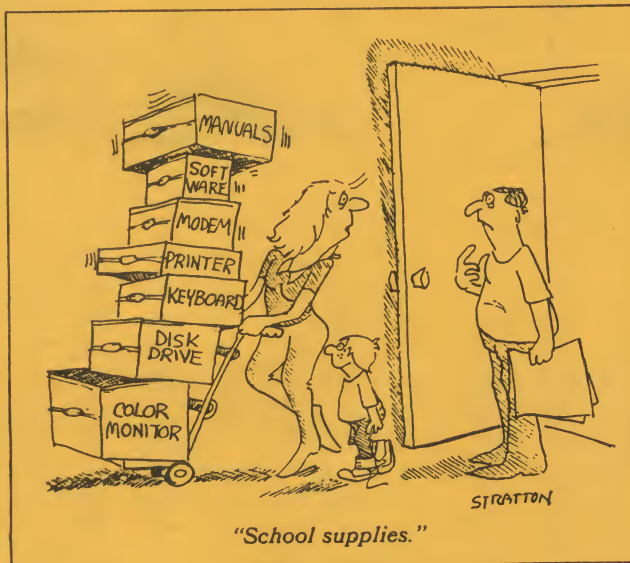
AMIGA NEWS

Tiger Cub For Amiga

Tiger Cub, an innovative and unprecedented new music program for the beginner, is scheduled for release on March 1st for the Amiga. Cub is an extension of our interactive technology pioneered in TIGER (The Interactive Graphic Editor) and Copyist, the professional scoring and transcription program. The price of Cub is only \$99.

Cub contains many new and powerful features, put together in a way that is simple and intuitive even for the novice. Features include:

- full Intuition user interface
- 12 track tape recorder style sequencing
- full real time graphic editing of notes and controllers
- QuickScore module for automatic scoring, transcription, and printing of single racks or full scores (up to 12 staves) on laser printers and 9 or 24 pin printers
- Smart instrument setups
- contains Dr. T's exclusive MPE (now available on Dr. T's Amiga software) to load other compatible programs
- 384 PPQ timing resolution
- loop recording
- step time recording
- real time mute, solo and group
- conductor track with real time tempo drawing and multiple time signatures -- one step object oriented editing
- edit single notes, ranges, or non-contiguous events
- MIDI file, SMUS and KCS data file compatible
- Supports MIDI as well as standard IFF internal samples on the Amiga
- Manual by EM author Jim Johnson



MICRO SHOP

NANCY DIPPOLD
Consultant

3038 W. Avenida Obregon
Tucson, AZ 85746

Bus: 578-0696
Res: 883-2653

SUBJ: KCS and Level II V3.0 Upgrade FROM: RBAKER 01/28/90

Upgrades to these already powerful sequencers make them even more powerful and easier to use. New features include:

- full intuition support, pull down menus, etc.
- Phantom SMPTE support
- MPE for realtime data sharing and interaction in addition to standard multitasking
- completely revised Amiga only manual
- computer keyboard HELP template
- AutoMix MIDI mixing program
- 1) two 16 channel banks of onscreen graphic sliders
- 2) realtime display and generation of any MIDI controller or program change
- 3) VU meters to show MIDI activity
- 4) Send "snapshots" in any combination of MIDI data
- 5) Output to MIDI or to KCS via MPE
- 6) SoundCheck feature for setting up MIDI systems or troubleshooting
- 7) Store 16 snapshots of all parameters to disk
- 8) Run stand alone as a MIDI monitor and generator, or fully integrated in MPE
- Controller chasing
- Direct read and write MIDI files from within the program
- Count in/off control from play screen menu
- Go to any measure INSTANTLY on play screen
- Measure:BEAT:Step display plus accurate display of shifting time signatures
- Improved synchronization and chase times
- Fostex R8 MIDI tape recorder transport support for remote control
- Split using standard note "names", ranges and controllers
- Requires 1 MB of memory

AMIGA NEWS

COMMODORE ANNOUNCES SPECIAL AMIGA OFFER FOR PROFESSIONAL MUSIC MARKET

WEST CHESTER, Pa. -- February 5th, 1990 -- Commodore Business Machines, Inc. Director of Business Markets David Archambault today announced a special offer (valid only at participating dealers) providing professional musicians with music software and a Musical Instrument Digital Interface (MIDI) worth approximately \$600.00 with the purchase of an Amiga 2000HD personal computer and 1084 color monitor.

Included in the package will be a MIDI interface from ECE R&D and three software programs from Dr. T, a leading music software developer. Software includes Keyboard-Controlled Sequencer (KCS) Version 3.0, Copyist Apprentice and a choice of one librarian software package.

The offer, which runs now through May 31, 1990, is being announced through a national and regional print advertising campaign targeted at the professional music market, according to Archambault. Amiga purchasers collect their software at the time of system purchase by presenting the print advertisement/coupon to their local dealer.

Archambault said the offer is part of the Amiga marketing strategy developed by the West Chester, Pa. based company to strengthen its position in key markets which include video, graphics and music. The multi-tasking Amiga was designed with these applications in mind. The new offer is one of several being planned to take full advantage of the Amiga's lead in multimedia computing, he said.

"Within the music market we see an important, creative core now spearheading the move towards true multimedia computing, where the Amiga is a key player," said Archambault. "We developed the offer partly in response to these key users who are eager to see us broaden our reach within the creative community."

With the Amiga's multi-tasking feature, users can run a music sequencer simultaneously with a librarian program, as well as paint and animation programs to create animated sequences and titles in sync with music. Once completed, the videographic sequences can be saved on disc and transferred onto videotape using an Amiga genlock encoding device.

LOW-COST AMIGA UPGRADE OFFER

WEST CHESTER, Pa. -- February 5, 1990 -- Commodore Business Machines, Inc. Vice President of Marketing Lloyd Mahaffey today announced the introduction of a new Amiga upgrade program offering A1000 owners the opportunity to upgrade to any A2000 series machine at a substantially reduced cost.

The offer, which runs now through March 31, 1990, was developed to encourage the large base of Amiga 1000 owners to upgrade to higher-performance Amiga 2000 series machines which are designed to take advantage of future product improvements and software offerings.

Mahaffey said the upgrade program requires A1000 owners to return their machines to a local dealer where they can purchase an A2000 machine for as little as \$999.00 -- a discount of approximately 50% over standard retail price. [Valid at participating dealers only; taxes not included.]

"Amiga 1000 owners are among the most dedicated personal computer users," Mahaffey said. "We developed the offer in part to energize this important base. It is also part of a much broader strategy to establish a more dominant position for the Amiga in an industry which is finally beginning to catch up with the machine's superior capabilities."

Commodore shipped the Amiga 1000, the first to be introduced in the U.S., in September 1985. In addition to its revolutionary graphics, sound and video capabilities, the A1000 pioneered the multimedia computer market.

Commodore launched the A2000 series in August 1987 providing the market with expanded capabilities based on advanced technology. The most recent addition to the line was the Amiga 2500/30 introduced in November 1989.

AMIGA UPGRADE PRICING

Amiga 1000 owners can upgrade to the following Amiga 2000 series machines for the prices indicated:

<u>Machine</u>	<u>Price</u>
Amiga 2000	\$999.00 + trade-in
Amiga 2000HD	\$1599.00 + trade-in
Amiga 2500	\$2999.00 + trade-in



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AMIGA NEWS

"SIXTY ASTOUNDING YEARS"

by Leila Joiner, CCCC

If you're a sci-fi fan, you may be familiar with a magazine called *Analog*, a monthly publication featuring such science fiction greats as Isaac Asimov and Poul Anderson, and which recently celebrated its 60th anniversary.

Analog's cover artist, William R. Warren, Jr., was given the ultimate assignment of designing a two-page spread for the anniversary article. In his own words he describes his reaction and how he utilized the Amiga 1000 to make his dream come true.

"Sixty astounding years! A dream assignment! When I got the manuscript in the mail I burned the phone lines to the offices... 'I've been dreaming about this painting for five years!'.....

"In true 'What If...' and 'Why Not...' spirit, each of the covers was digitized into a 512K Commodore Amiga 1000 personal computer with NewTek's *Digiview 1.0*, then converted to a grey-scale image with Electronic Arts' *DeluxePaint II* and Octree Software's *Butcher 1.0* image processing functions. When I printed the results out on an



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Epson-clone dot-matrix printer, this became the rough sketch for the illustration... *in one day*. The next logical question is, naturally, 'If This Goes On...?' (Once the sketch was done, I still had to *paint* the things... but I still think Mr. Campbell would have approved.)"

The final two-page spread (*Analog*, January 1990, pp.58-59) displays a grey-scale image of at least 35 covers circumscribing a larger central illustration. I'm sure the artist found his task much easier with the aid of the Amiga 1000, and it was nice of him to give credit to the machine and the software.

Once again, the Amiga makes someone's dream come true!

KEY TELEPHONE NUMBERS

(AREA CODE 602)

PLEASE call at reasonable hours. 5-9 p.m.
or as listed.

President.....Board....Ron Gray.....881-6821
Vice President..Board....Leila Joiner.....327-0540
Secretary.....Board....Bob Holdcraft....747-3163
Treasurer.....Board....Steve Witkowski....573-0650
Member at Large.Board....Frank Prievo.....574-0145
Member at Large.Board....Tom D'Angelo.....296-5076
Member at Large.Board....Marv Lossing.....325-7770

Past President.....Doug Davis.....790-4162
Activity Director.....NEEDED.....xxx-xxxx
Advertising Agent.....Ken Weaver.....299-0506
AMIGA SIG..[Editor].....Leila Joiner.....327-0540
AMIGA SIG Info.....Dennis McCormick....292-2275
BASIC Programming.....Ron Gray.....881-6821
128 SIG.....Bob Holdcraft.....747-3163
MS-DOS SIG.....NEEDED.....xxx-xxxx
GEOS Info.....Warren Talbot.....792-9888
Green Valley President...Audrey Schneider..1-625-5672
Ham Radio.....Harold Wetzel.....886-9019
LIBRARIAN.....Steve Price.....293-4158
LIBRARIAN.....Katherine Smith.....293-4158
Rental Librarian.....Olie Plimpton.....888-0425
MEMBERSHIP CHAIRMAN.....Frank Prievo.....574-0145
Club Buyer.....Ken Weaver.....299-0506
CHIEF SYSOP.....Phil Pugliese.....unlisted
EDITOR.....Leila Joiner.....327-0540
(Copy to 3527 E. Fort Lowell, 85716 or CCCC BBS)

NO-COPY POLICY

CCCC's Bylaws state:

No Member may at any Meeting perform or allow to be performed any act which may be a violation of any portion of any copyright law or amendment thereto.

MISSING NEWSLETTERS

If you do not receive a newsletter by the time of the Tuesday General Meeting, contact the

MEMBERSHIP CHAIR

Frank Prievo - 574-0145

to find out if there is a reason other than loss by the postal service and to make arrangements to get a replacement copy if that is the case.

GENERAL MEETINGS

The GENERAL MEETINGS run from 7:00 pm to 9:30 pm. The time from 7:00 to 7:30 is allocated to library, membership, equipment set-up, etc. The program will begin at 7:30 pm. Program suggestions and presenters are welcome. Contact the President to offer either.

MAKE FRIENDS!

GET ANSWERS TO YOUR COMPUTING PROBLEMS!

CALL THE CCCC BBS AT (602) 790-6751!!

DISCOUNTS

The following stores have offered discounts to card carrying club members on many items in stock. NOT ALL items.

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1620 N. Park Ave., Tucson 85719
622-1344
COMPUTER HORIZONS - 10%
245 S. Plumer, Tucson 85719
622-5966
COMPUTER SUPPLY SPECIALISTS - 10%
2257 E. Broadway, Tucson 85719
623-0662
D.J.s ELECTRONICS - 10%
5536 E. Grant Rd., Tucson 85712
290-1115
MICRO SHOP - Bonus Coupons
3038 W. Avenida Obregon
578-0696
SOFTWARE CITY - 5%
4995 E. Speedway, Tucson 85711
323-8111

If you know of a merchant willing to offer a discount to our members, please let the President or Editor know. When you buy, let the vendor know it's because of the club discount. If one of the above vendors DOES NOT extend the discount and you have shown your card, let the President know.

SOFTWARE ORDERS

MAIL TO: CCCC, Inc. Attn: Librarian, P.O. Box 32548, Tucson, AZ 85751-2548. See Catalog for delivery limitations and specific ordering information. With the exceptions noted in the catalog for royalties or copy-licensed software, the copy fee per disk side is currently \$3, blank disk provided by club.

When ordering, be sure to include your name, address, phone number, member number, and of course the ID # of the desired disk(s). On multiple disk orders to be mailed, include \$1 postage for each multiple of five disks.

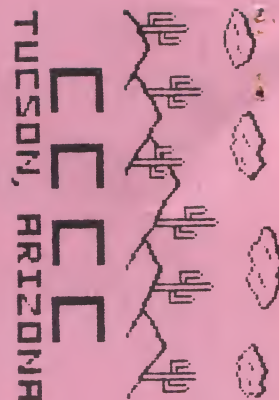
Specify order by catalog ID#, for which computer. Please allow two weeks plus mail time for receipt of your order. Make check or money order payable to CCCC, Inc. (Do Not Send Cash.) If not to be mailed, your software order will be available at the next regular club meeting.

ADVERTISING COSTS

Businesses or individuals wishing to advertise in this newsletter may do so for the following rates.

Full Page.....\$25.00
Calendar Page.....\$20.00
Half Page.....\$15.00
1/4 Page.....\$8.00
1/8 Page.....\$5.00

You may prepay for ten (10) issues, and receive twelve (12) insertions of your ad. Receive two months' free advertising when you prepay for one year! Club members may advertise computer-related services or their personally-owned computer items at no charge. Non-member want ads cost \$1 per line, \$3 minimum. Acceptance of copy is at the sole discretion of Editor. Please give or send hard copy to the editor. Deadline for paid ads is the second Tuesday of the month.



CATALINA COMMODORE COMPUTER CLUB, INC.

NEWSLETTER
VOLUME 8, NUMBER 3 - MARCH 1990

** IMPORTANT **

* GENERAL MEETING - March 6, 1990
St. Peter & Paul Catholic Church
On Campbell 4 blks N of Speedway
7 p.m. - Out NLT 9:30 p.m.

* SATURDAY HELP DAY - March 17, 1990
St. Peter & Paul Catholic Church
Madonna Hall
10 a.m. - 2 p.m.

* EXECUTIVE BOARD MEETING
(All Members Welcome)
March 13, 1990 -- 7:30 p.m.
Devon Gables Home
6150 E. Grant Road

MARK YOUR CALENDARS !!

* MEMBERSHIP RENEWAL *
* ADDRESS CHANGE *

Actn., Membership Chairman P.O. Box 32548, Tucson, AZ 85751-2548.

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